

Index to Volume 18

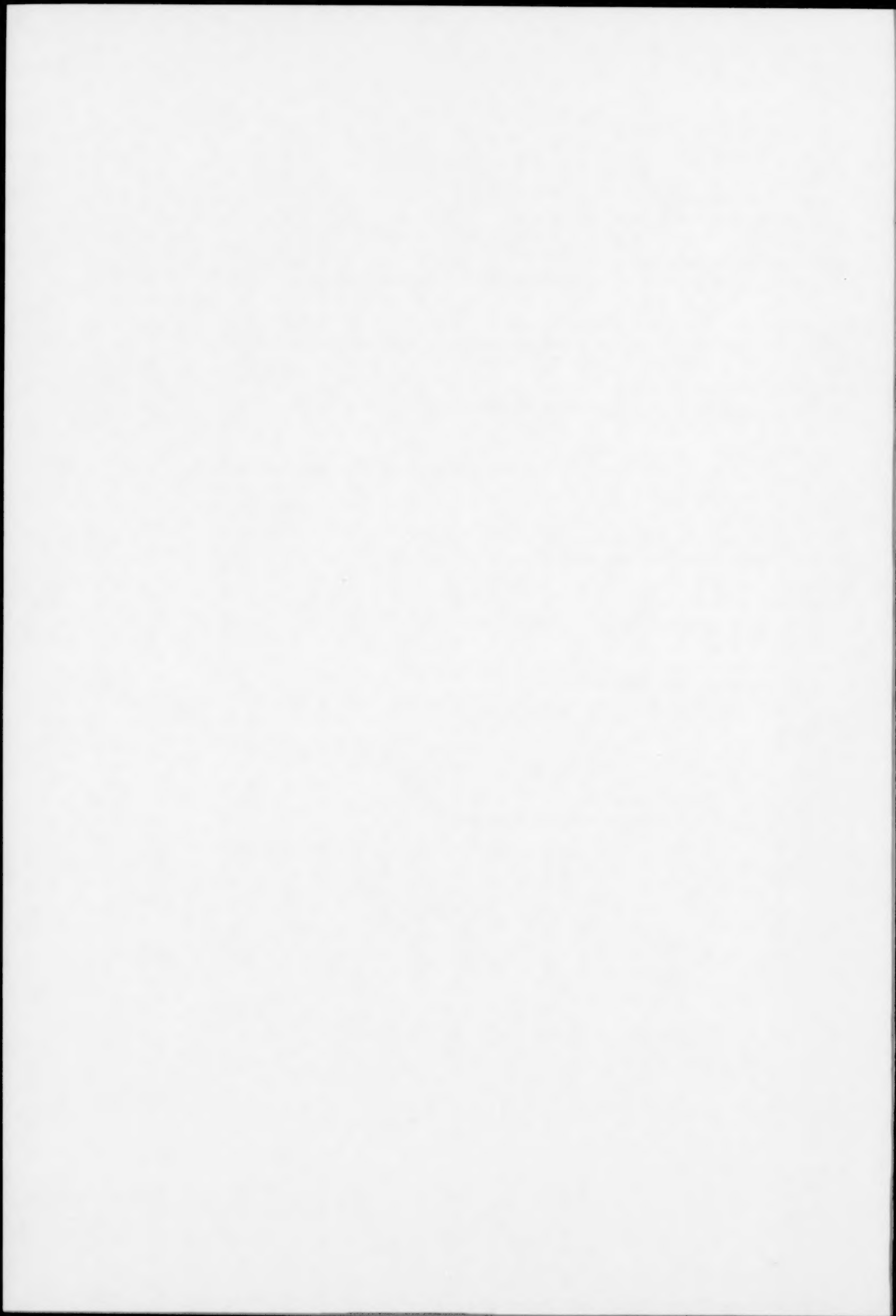
Nos 1-2

<i>H.-J. Czerwon</i> (Berlin, GDR) Scientometric Indicators for a Specialty in Theoretical High-Energy Physics: Monte Carlo Methods in Lattice Field Theory	5
<i>E. Bruckner, W. Ebeling, A. Scharnhorst</i> (Berlin, GDR) The Application of Evolution Models in Scientometrics	21
<i>Hiltrun Kretschmer, Renate Müller</i> (Berlin, GDR) A Contribution to the Dispute on the Ortega Hypothesis: Connection between Publication Rate and Stratification of Scientists, Tested by Various Methods	43
<i>M. Bonitz</i> (Dresden, GDR) Journal Ranking by Different Parameters. Part I. Collectivity and Selective Collectivity: Two Ranking Parameters Reflecting the Structure of a Journals' Network	57
<i>M. Bonitz</i> (Dresden, GDR) Journal Ranking by Different Parameters. Part II. Individual or Collective: Which Parameters Are Best Suited for Journal Ranking?	75
<i>Hiltrun Kretschmer</i> (Berlin, GDR) Pinski's Citation Based Measures of Research Interactivity and the Application of a Complex Structure Measure to Journal Systems	95
<i>M. Peschel, W. Mende, K.F. Albrecht</i> (Berlin, GDR) The EVOLON Growth Model: Possible Tool for Scientometrical Evaluations	123
<i>W. Meske, M.C. Fernandez de Alaiza</i> (Berlin, GDR and Habana, Cuba) Structure and Development of the Scientific and Technological Potential in the Republic of Cuba	137
Bibliography Section	
<i>A. Schubert</i> (Budapest, Hungary) Quantitative Studies of Science. A Current Bibliography	157
News	169

<i>A. Schubert, W. Glänzel, T. Braun</i> (Budapest, Hungary)	
World Flash on Basic Research. Scientometric Datafiles. Supplementary Indicators on 96 Countries 1981-1985 1. Distribution of Publication Types in an Extended Source Set	173
<i>M. Kunz</i> (Brno, Czechoslovakia)	
Can the Lognormal Distribution be Rehabilitated?	179
<i>L.O. Nordstrom</i> (Vegreville, Alberta, Canada)	
"Bradford's Law" and the Relationship between Ecology and Biogeography	193
<i>F. Spagnolo</i> (Brighton, U.K.)	
Brazilian Scientists' Publications and Mainstream Science: Some Policy Implications	205
<i>H. Grupp</i> (Kalsruhe, FRG)	
The Concept of Entropy in Scientometrics and Innovation Research. An Indicator for Institutional Involvement in Scientific and Technological Developments	219
<i>J.F.A. Spangenberg, W. Buijink, W. Alfenaar</i> (Maastricht, The Netherlands)	
Some Incentives and Constraints of Scientific Performance in Departments of Economics. Part I. Predictor-Criterion Relations	241
<i>J.F.A. Spangenberg, B. Breemhaar, F. Nijhuis, W. Alfenaar</i> (Maastricht, The Netherlands)	
Some Incentives and Constraints of Scientific Performance in Economics. Part II. Validity and Sensitivity Analysis	269
<i>L. Leydesdorff</i> (Amsterdam, The Netherlands)	
Relations among Science Indicators or More Generally among Anything One Might Wish to Count about Text. I. The Static Model	281
<i>Hiroaki Urata</i> (Tokyo, Japan)	
Information Flows among Academic Disciplines in Japan	309
Book Review	
<i>W.S. Lyon</i> (Oak Ridge, TN, USA)	
The Dreams of Reason. The Computer and the Rise of the Science of Complexity, by H.R. Pagels	321

Nos 5-6

<i>Bluma C. Peritz</i> (Jerusalem, Israel)	
A Bradford Distribution for Bibliometrics	323
<i>R. Over</i> (Bundoora, Australia)	
The Scholarly Impact of Articles Published by Men and Women in Psychology Journals	331
<i>B.M. Gupta, S.C. Sharma, N.N. Mehrotra</i> (New Delhi, India)	
Subject-Based Publication Activity Indicators for Medicinal & Aromatic Plants Research	341
<i>M.M.S. Karki</i> (New Delhi, India)	
Environmental Science Research in India: An Analysis of Publications	363
<i>A.Y. Mychko-Megrin</i> (Moscow, USSR)	
Estimates of the Annual Total Number of Titles on Medicine and Its Disciplines and Scientific Productivity of Physicians	375
<i>J.F.A. Spangenberg, F.J.N. Nijhuis</i> (Maastricht, The Netherlands)	
Human Information Processing in Science	389
<i>A.P. Trofimenko</i> (Kiev, USSR)	
Scientometric Analysis of the Topical Content of Scientific Research and Its Particularities	409
<i>F.A. Ehikhamenor</i> (Ibadan, Nigeria)	
Productivity of Physical Scientists in Nigerian Universities in Relation to Communication Variables	437
Bibliography Section	
<i>A. Schubert</i> (Budapest, Hungary)	
Quantitative Studies of Science. A Current Bibliography	445
Index to Volume 18	465
Author Index	469



Author Index

- ALAIZA, DE, FERNANDEZ, M.C., *see*
FERNANDEZ DE ALAIZA, M.C., 137
- ALBRECHT, K.F., *see* PESCHEL, M., 123
- ALFENAAR, W., *see* SPANGENBERG, J.F.A., 241,
269
- BONITZ, M.: Journal Ranking by Different
Parameters. Part I. Collectivity and
Selective Collectivity: Two Ranking
Parameters Reflecting the Structure of a
Journals' Network, 57
- BONITZ, M.: Journal Ranking by Different
Parameters. Part II. Individual or
Collective: Which Parameters Are Best
Suited for Journal Ranking?, 75
- BRAUN, T., *see* SCHUBERT, A., 173
- BREEMHAAR, B., *see* SPANGENBERG, J.F.A., 269
- BRUCKNER, E., EBELING, W., SCHARNHORST,
A.: The Application of Evolution Models in
Scientometrics, 21
- BUIJINK, W., *see* SPANGENBERG, J.F.A., 241
- CZERWON, H.-J.: Scientometric Indicators for a
Speciality in Theoretical High-Energy
Physics: Monte Carlo Methods in Lattice
Field Theory, 5
- EBELING, W., *see* BRUCKNER, E., 21
- EHIKHAMENOR, F.A.: Productivity of Physical
Scientists in Nigerian Universities in
Relation to Communication Variables, 437
- FERNANDEZ DE ALAIZA, M.C., *see* MESKE, W.,
137
- GLÄNZEL, W., *see* SCHUBERT, A., 173
- GRUPP, H.: The Concept of Entropy in
Scientometrics and Innovation Research -
An Indicator for Institutional Involvement
in Scientific and Technological Develop-
ments, 219
- GUPTA, B.M., SHARMA, S. C., MEHROTRA,
N.N.: Subject-Based Publication Activity
Indicators for Medicinal and Aromatic
Plants Research, 341
- KARKI, M.S.: Environmental Science Research
in India: An Analysis of Publications, 363
- KRETSCHMER, HILDRUN: Pinski's Citation
Based Measures of Research Interactivity
and the Application of a Complex Structure
Measure to Journal Systems, 95
- KRETSCHMER, HILDRUN; MÜLLER, RENATE: A
Contribution to the Dispute on the Ortega
Hypothesis: Connection between Publica-
tion Rate and Stratification of Scientists,
Tested by Various Methods, 43
- KUNZ, M.: Can the Lognormal Distribution be
Rehabilitated?, 179

AUTHOR INDEX TO VOLUME 18

- LEYDESDORFF, L.: Relations among Science Indicators or More Generally among Anything One Might Wish to Count about Text. I. The Static Model, 281
- LYON, W.S.: The Dreams of Reason. The Computer and the Rise of the Sciences of Complexity, by H.R. Pagels, 321
- MEHROTRA, N.N., *see* GUPTA, B.M., 341
- MENDE, W., *see* PESCHEL, M., 123
- MESKE, W., FERNANDEZ DE ALAIZA, M.C.: Structure and Development of the Scientific and Technological Potential in the Republic of Cuba, 137
- MÜLLER, RENATE, *see* KRETSCHMER, HILDRUN, 43
- MYCHKO-MEGRIN, A.Y.: Estimates of the Annual Total Number of Titles on Medicine and Its Disciplines and Scientific Productivity of Physicians, 375
- NIJHUIS, F., *see* SPANGENBERG, J.F.A., 269, 389
- NORDSTROM, L.O.: "Bradford's Law" and the Relationship between Ecology and Biogeography, 193
- OVER, R.: The Scholarly Impact of Articles Published by Men and Women in Psychology Journals, 331
- PERITZ, BLUMA, C.: A Bradford Distribution for Bibliometrics, 323
- PESCHEL, M., MENDE, W., ALBRECHT, K.F.: The EVOLON Growth Model: Possible Tool for Scientometrical Evaluations, 123
- SCHARNHORST, A., *see* BRUCKNER, E., 21
- SCHUBERT, A.: Quantitative Studies of Science. A Current Bibliography, 157,445
- SCHUBERT, A., GLÄNZEL, W., BRAUN, T.: World Flash an Basic Research. Scientometric Datafiles. Supplementary Indicators on 96 Countries 1981-1985. 1. Distribution of Publication Types in an Extended Source Set, 173
- SHARMA, S.C., *see* GUPTA, B.M., 341
- SPAGNOLO, F.: Brazilian Scientists' Publications and Mainstream Science: Some Policy Implications. The Case of Chemistry and Electrical Engineering, 205
- SPANGENBERG, J.F.A., BREEMHAAR, B., NIJHUIS, F., ALFENAAR, W.: Some Incentives and Constrains of Scientific Performance in Economics. Part II. Validity and Sensitivity Analysis, 269
- SPANGENBERG, J.F.A., BUIJINK, W., ALFENAAR, W.: Some Incentives and Constrains of Scientific Performance in Departments of Economics. Part I. Predictor-Criterion Relations, 241
- SPANGENBERG, J.F.A., NIJHUIS, F.J.N.: Human Information Processing in Science, 389
- TROFIMENKO, A.P.: Scientometric Analysis of the Topical Content of Scientific Research and Its Particularities, 409
- URATA, HIROAKI: Information Flows among Academic Disciplines in Japan, 309

